



1963.01-7381US Seq Listing 102805.ST25
SEQUENCE LISTING

<110> Akzo Nobel Patent Department

<120> EIAV VACCINE AND DIAGNOSTIC

<130> I 2000.608 US D3

<140> US 10/409,397

<141> 2003-04-07

<150> US 09/658,547

<151> 2000-09-09

<160> 21

<170> PatentIn version 3.3

<210> 1

<211> 34

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 1

tttacactag tataactccca tatatatcaa acct

34

<210> 2

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 2

catgctgttc ttactgtca

19

<210> 3

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 3

cctcattgca ctaagcaagg atcaggc

27

<210> 4

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 4

gatagcttct aataatgtag cagta

25

<210> 5
 <211> 21
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Primer

<400> 5
 atatcaaacc ttataacaaa t

21

<210> 6
 <211> 20
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<220>
 <223> Primer

<400> 6
 attatttggg aaaggggtaa

20

<210> 7
 <211> 27
 <212> DNA
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<220>
 <223> Primer

<400> 7
 gcgatgctga ccatgttacc cctttac

27

<210> 8
 <211> 27
 <212> DNA
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<220>
 <223> Primer

<400> 8
 attctacggg gtgatcccag ggggaat

27

<210> 9
 <211> 24
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Primer

<400> 9
 ccattgtcag ctgtgtttcc tgag

24

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<210> 10
 <211> 26
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Primer

<400> 10
 ccaaagtatt cctccagtag aacctg

26

<210> 11
 <211> 4
 <212> PRT
 <213> Equine infectious anemia virus

<220>
 <221> MISC_FEATURE
 <223> putative nucleoporin motif

<400> 11

Gly Leu Phe Gly
 1

<210> 12
 <211> 8
 <212> PRT
 <213> Equine infectious anemia virus

<220>
 <221> MISC_FEATURE
 <223> putative nuclear localization sequence

<400> 12

Arg Arg Lys Gln Glu Thr Lys Lys
 1 5

<210> 13
 <211> 65
 <212> PRT
 <213> Equine infectious anemia virus

<220>
 <221> MISC_FEATURE
 <223> s2 amino acid sequence from Figure 2a

<400> 13

Met Gly Leu Phe Gly Lys Gly Val Thr Trp Ser Ala Ser His Ser Met
 1 5 10 15

Gly Gly Ser Gln Gly Glu Ser Gln Pro Leu Leu Pro Asn Ser Gln Lys
 20 25 30

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Asn Leu Ser Val Arg Arg Thr Gln Cys Phe Asn Leu Ile Val Ile Ile
35 40 45

Met Thr Val Arg Thr Ala Trp Gln Asn Arg Arg Lys Gln Glu Thr Lys
50 55 60

Lys
65

<210> 14
<211> 195
<212> DNA
<213> Equine infectious anemia virus

<220>
<221> misc_feature
<223> wild type S2 nucleotide sequence from Figure 2b

<400> 14
atgggattat ttggtaaagg ggtaacatgg tcagcatcgc attctatggg gggatcccag 60
ggggaatctc aacccttatt acccaacagt cagaaaaatc taagtgtgag gagaacacaa 120
tgtttcaacc ttattgittat aataatgaca gtaagaacag catggcagaa tcgaaggaag 180
caagagacca agaaa 195

<210> 15
<211> 198
<212> DNA
<213> Artificial

<220>
<223> Delta S2 nucleotide sequence from Figure 2b

<220>
<221> misc_feature
<222> (140)..(140)
<223> n is a,c,g, or t

<400> 15
atgggagtat actagtgtaa aggggtaaca tggtcagcat cgcattctac ggggtgatcc 60
cagggggaat ctcaaccctt attacccaac agtcagaaaa atctaagtgt gaggagaaca 120
caatgtttca accittattgn tataataatg acagtaagaa cagcatggca gaatcgaagg 180
aagcaagaga ccaagaaa 198

<210> 16
<211> 55
<212> DNA
<213> Artificial

<220>

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<223> EIAVuk from Figure 6; Portion of molecular infectious clone of equine infectious anemia virus

<400> 16
ttgttataag gtttgatata tgggattatt tggtaaaggg gtaacatggt cagca 55

<210> 17
<211> 58
<212> DNA
<213> Artificial

<220>
<223> EIAV uk Epsilon S2 from Figure 6; SpeI site

<400> 17
ttgttataag gtttgatata tgggagtata ctagtgtaaa ggggtaacat ggtcagca 58

<210> 18
<211> 44
<212> DNA
<213> Artificial

<220>
<223> D14 from Figure 7; 14 base deletion from EIAV uk epsilon S2

<400> 18
ttgttataag gttttactag tgtaaagggg taacatgggtc agca 44

<210> 19
<211> 33
<212> DNA
<213> Artificial

<220>
<223> D25 from Figure 7; 25 base deletion from EIAV uk epsilon S2

<400> 19
ttgttataag gttttactag tacatgggtca gca 33

<210> 20
<211> 52
<212> DNA
<213> Artificial

<220>
<223> D6 from Figure 9; 6 base deletion from EIAV uk epsilon S2

<400> 20
ttgttataag gtttgaggag tatactagtg taaaggggta acatgggtcag ca 52

<210> 21
<211> 49
<212> DNA
<213> Artificial

<220>
<223> D9 from Figure 9; 9 base deletion from EIAV uk epsilon S2

<400> 21

ttgttataag gtttgagtat actagtgtaa aggggtaaca tggtcagca

49